

Borough of Crosby

Annual Report

of the

Medical Officer of Health

For the Year 1945

66667



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BOROUGH OF CROSBY

MAYOR : MR. ALDERMAN A. G. JAMIESON, J.P.

DEPUTY MAYOR : MR. ALDERMAN H. PRESTON-REYNOLDS,
J.P.

TOWN CLERK : FRANK D. FOULKES, Esq.

Health Committee at the end of 1945

Chairman :

MR. COUNCILLOR J. MORRIS.

Vice-Chairman :

MR. ALDERMAN H. Y. BRAMHAM.

THE MAYOR
THE DEPUTY MAYOR } *Ex-Officio.*

Mr. Alderman G. W. BEVAN	Mr. Councillor W. O. GRIFFITH
„ „ W. CUMMINS	„ „ R. L. HOLMAN
„ „ D. I. SAWYER	„ „ T. D. McKILLOP
„ „ A. S. WILLIAMS	„ „ P. ROGERSON, J.P.
„ Councillor D. ARNOTT	„ Miss F. ROLLO, J.P.
„ „ H. E. CASSIDY	Mr. „ E. ROSEWARNE
„ „ T. CLARE	„ „ E. H. SPENCER
„ „ H. S. DICKSON	„ „ R. B. WAITE
„ „ J. S. DUCKELS	„ „ F. WARD
„ „ J. G. ECCLES	„ „ R. D. L. WILLIAMS

Medical Services Sub-Committee

Chairman : MR. COUNCILLOR J. MORRIS.

THE MAYOR
THE DEPUTY MAYOR } *Ex-Officio.*

Mr. Alderman H. Y. BRAMHAM.

„ „ A. G. JAMIESON, J.P.

„ „ A. S. WILLIAMS.

Mr. Councillor D. ARNOTT Mr. Councillor J. G. ECCLES

„ „ H. S. DICKSON „ „ E. ROSEWARNE

STAFF OF THE PUBLIC HEALTH DEPARTMENT, 1945

Medical Officer of Health :

A. J. W. CUNNINGHAM, M.A., M.D., B.Ch. (Cantab.), D.P.H. (Liverpool)

Assistant Medical Officer of Health :

(Miss) M. MURRAY,

M.B., Ch.B. (Liverpool), M.R.C.S. (Lond.), D.P.H. (Liverpool).

On Active Service.

Temporary Assistant Medical Officer of Health :

Mrs. S. H. MONTGOMERY, M.B., Ch.B. (Liverpool), Appointed 1944

Dental Surgeons :

J. F. COWELL, L.D.S., R.C.S. (Eng.). (Part-time).

A. H. CLEAVER, L.D.S., R.F.P.S. (Glas.). (Part-time).

CONSULTANT STAFF :

Gynaecologist :

SIDNEY B. HERD, M.D., Ch.B., F.C.O.G. (Part-time).

Ear, Nose & Throat Surgeon :

JOHN ROBERTS, M.B., Ch.B., F.R.C.S., L.R.C.P. (Part-time).

Ophthalmic Surgeon :

J. BERKSON, M.B. Ch.B. (Part-time).

OTHER OFFICERS OF THE DEPARTMENT

Chief Sanitary Inspector :

F. APPLEYARD, M.R.S.I., A.M.I.S.E., M.S.I.A., M.I.H.

Deputy Chief Sanitary Inspector :

E. AVISON, M.R.S.I., M.S.I.A.

District Sanitary Inspectors :

R. SPENCER, M.S.I.A.

D. BARBER, A.R.S.I., M.S.I.A.

Chief Health Visitor :

Miss L. WILDE, S.R.N., S.C.M., H.V.Cert. (Resigned—September, 1945).

District Health Visitors :

Miss K. ARMSTRONG, S.R.N., S.R.C.N., S.C.M., H.V.Cert.

Miss D. PARKINSON, S.R.N., S.C.M., H.V.Cert.

Miss C. E. FOX, S.R.N., S.C.M. H.V.Cert.

Miss M. WILKINSON, S.R.N., S.R.C.N., S.C.M., H.V.Cert.

Miss H. BLACK, S.R.N., S.C.M., H.V.Cert.

CLERICAL STAFF

E. H. PYRAH, D.P.A. (Liverpool) (on Active Service).

Mrs. J. WHITING. (Resigned—September, 1945).

F. C. WILKINSON (on Active Service).

J. HARROWER (on Active Service).

Miss M. CULLIMORE.

Miss D. JONES (on Active Service).

Miss M. JONES (on Active Service).

Miss A. WHALEN (Temporary).

Mrs. MATHER (Temporary).

Miss O. KENNAN (Resigned—November, 1945).

Miss J. DRAPER. (Appointed—December, 1945).

Miss A. HOCKENHULL. (Appointed—December, 1945).

PUBLIC HEALTH DEPARTMENT,
TOWN HALL,
WATERLOO.
LIVERPOOL 22.

THE MAYOR, ALDERMEN AND COUNCILLORS
OF THE BOROUGH OF CROSBY.

LADIES AND GENTLEMEN,

I have the honour to present the Ninth Annual Report upon the Health and Sanitary conditions of the Borough of Crosby for the year ended 31st December, 1945.

The beginning of the year saw us still under war conditions, and the end of it still under disabilities as a result of the war, but with the return of some of the Staff from Active Service, it has been possible to enlarge somewhat the scope of the Report, which during the war years was condensed, and provided only the essentially important information and statistics.

In particular, the Minister has asked that this year certain subjects of current interest, such as the care of premature infants and illegitimate children, the steps taken to combat infestation, and also the state of the water supply of the area should be dealt with.

It has been possible, too, to give further tables showing the trend of our Vital Statistics since the Borough was first formed.

The dreaded aftermath of war, namely the attack on a war-weary people by a virulent infection has not, fortunately materialised in this country.

The need for houses to absorb the men and women returning to civil life, and overcrowding on a scale we have not known before became our most pressing problems, and led to the setting up of a Housing Department, which took over the management of all houses owned by, and in prospect of being built by the Borough.

Primary education has been taken over by the County, and the delegated School Medical Services have been functioning since 1st April, 1945, necessitating adjustments which while still incomplete at the end of the year, had made good progress.

Maternity and Child Welfare has continued to make itself more and more useful to the Borough, and the Sanitary Department, in spite of the all too frequent changes of staff, has continued its own good work.

So that, while expressing my thanks to the Staff of the Department for their help during the year, and once again to the Chairman and Members of the Health Committee for their sustained interest in all that concerns the health of the Borough, I trust that we now look forward to new fields of usefulness under calmer and happier skies.

I am, Ladies and Gentlemen,

Yours obediently,

A. J. W. CUNNINGHAM,
Medical Officer of Health.

Deaths Registered in the Borough since its Formation

Year	Population Registrar General's Estimate	Male	Female	Total	Death Rate per 1000 est. pop. Crosby	Death Rate per 1000 pop. England & Wales	Deaths Infants under 1 year of age	Death Rate per 1000 live births	Legitimate	Rate per 1000 live births	Illegitimate	Rate per 1000 births	Deaths from Pulmonary Tuberculosis	Deaths from:—		
														Zymotic Diseases	Cancer all ages	Heart Disease
1937	55,580	359	352	711	12.7	12.4	47	56	44	53	3	130	35	14	98	159
1938	55,780	320	319	639	11.4	11.6	47	58	41	53	6	206	33	17	111	144
1939	55,690	328	377	705	12.7	12.1	53	70	43	59	10	357	22	21	104	166
1940	54,280	365	387	752	13.8	14.3	53	64	47	59	6	153	29	8	92	178
1941	51,290	436	479	915	17.8	12.9	66	87	57	80	9	200	40	22	103	172
1942	53,010	317	314	631	11.9	11.6	57	61	53	60	4	77	36	9	93	148
1943	52,160	355	365	720	13.8	12.1	50	51	41	44	9	138	40	8	101	189
1944	52,800	365	365	730	13.8	11.6	58	54	48	48	10	129	34	4	116	197
1945	53,670	364	372	736	13.7	11.4	39	42	33	42	6	81	35	2	123	222

SECTION I.

Vital Statistics.

Area, 6,852 acres (Land and inland water 4,771 acres, Foreshore 2,081 acres).

Population (Census 1931), 50,569.

Population (Estimated 1945), 53,670.

Number of inhabited houses (end of 1945) according to Rate Books 15,871.

Rateable value at October, 1945, £505,851.

Sum represented by a penny rate (Estimated 1945-46), £1,980.

Live births—

	Total	M.	F.
Legitimate	849	436	413
Illegitimate	74	37	37
	<hr/>	<hr/>	<hr/>
Total	923	473	450
Birth-rate per 1,000 of the estimated resident population			17.1

	Total	M.	F.
Stillbirths	19	12	7
Rate per 1,000 total (live and still) births			20

	Total	M.	F.
Deaths	736	364	372
Death-rate per 1,000 of the estimated average population			13.7

Deaths from puerperal causes—

	Deaths
Puerperal sepsis	Nil.
Other Maternal causes	1
	<hr/>
Total	1
Death-rate per 1,000 total (live and still) births	1.06

Death-rate of infants under one year of age:—

All infants per 1,000 live births	42
Legitimate infants per 1,000 legitimate live births	33
Illegitimate infants per 1,000 illegitimate live births	81

Deaths from Cancer (all ages)	123
„ „ Measles (all ages)	Nil.
„ „ Whooping Cough (all ages)	Nil.
„ „ Diarrhoea (under 2 years of age).....	2

	Per 1,000 of estimated population				Maternity Mortality rate		Rate of deaths under one year per 1000 live births
	Live birth-rate	Crude death-rate	Death Rate from Tuberculosis of Respiratory System	Death-rate from Cancer	Per 1000 live births	Per 1000 total live & still births	
Mean of 5 years,							
1940-1944	17.3	14.2	0.67	1.91	2.31	2.26	63
Year 1944	20.0	13.8	0.64	2.19	0.94	0.91	54
„ 1945	17.1	13.7	0.65	2.29	1.08	1.06	42

Increase or decrease in 1945 on—
5 years' average 1940-1944

1940-1944	- 0.2	- 0.5	- 0.02	+ 0.38	- 1.23	- 1.20	- 21
Previous year	- 2.9	- 0.1	+ 0.01	+ 0.10	+ 0.14	+ 0.15	- 12

TABLE II
BIRTH RATES, CIVILIAN DEATH RATES,
ANALYSIS OF MORTALITY, MATER-
NAL MORTALITY, AND CASE RATES
FOR CERTAIN INFECTIOUS DISEASES IN
THE YEAR 1945.

England and Wales,
London, 126 Great
Towns and 148
Smaller Towns.

(Provisional Figures based on Weekly and Quarterly Returns).

	England and Wales	126 County Boroughs and Great Towns, including London	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Adminis- trative County	Borough of Crosby
Rates per 1,000 Civilian Population					
BIRTHS					
Live	16.1	19.1	19.2	15.7	17.1
Still	0.46	0.58	0.53	0.40	0.28
DEATHS					
All Causes	11.4	13.5	12.3	13.8	13.7
Typhoid and Para- typhoid Fevers	0.00	0.00	0.00	0.00	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough ...	0.02	0.02	0.01	0.02	0.00
Diphtheria	0.02	0.02	0.02	0.01	0.00
Influenza	0.08	0.07	0.07	0.07	0.03
Smallpox .....	...	...	...	...	...
Measles	0.02	0.02	0.02	0.01	0.00
Rates per 1,000 Live Births					
Deaths under 1 year of age	46	54	43	53	42
Deaths from Diarrhoea and Enteritis under 2 years of age	5.6	7.8	4.4	7.6	0.3
Rates per 1,000 Total Births (Live and Still)					
MATERNAL MORTALITY (England and Wales)					
Abortion with Sepsis (No. 140)	0.25	Not available			...
Abortion without Sepsis (No. 141)	0.08				...
Puerperal Infections (No. 147)	0.24				...
Nos. 142-6 148-150... Other	1.22				1.06

A Leader (..) signifies that there were no deaths.

VITAL STATISTICS FOR THE AREA OF YEARS
1900, 1910, 1915 AND 1945

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	1900		1910		1915		1945 Borough of Crosby
	Gt. Crosby	W'loo & Seaforth	Gt. Crosby	W'loo & Seaforth	Gt. Crosby	W'loo & Seaforth	
Population	7974 30,474	22,500 42,080	14,300 42,080	27,780 42,080	13,781 41,254	27,473 41,254	53,670
Births	156 731	575 888	247 888	641 888	270 889	619 889	923
Birth Rate	19.61	23.00	17.27	23.07	19.73	22.53	17.1
Deaths	100 405	305 526	123 397	274 526	123 526	403 526	736
Death Rate	12.57	12.20	8.60	9.86	8.99	14.66	13.7
Deaths of Infants of under 1 year of age	12 38	76 88	28 79	51 79	19 75	56 75	39
Deaths from : Diphtheria	—	3	2	4	4	5	—
Scarlet Fever	—	—	—	2	2	2	—
Cancer	?	5	6	28	8	39	123
Heart Disease	?	24	11	13	11	25	222
Pulmonary Tuberculosis....	?	24	7	25	12	16	35

TABLE I

Causes of Death in the Borough of Crosby, 1945.

Causes of Death (Civilians only)	Males	Females
ALL CAUSES	364	372
1. Typhoid and Paratyphoid Fevers	—	—
2. Cerebro Spinal Fever	1	1
3. Scarlet Fever	—	—
4. Whooping Cough	—	—
5. Diphtheria	—	—
6. Tuberculosis of respiratory system	26	9
7. Other forms of Tuberculosis	3	2
8. Syphilitic Diseases	—	—
9. Influenza	—	2
10. Measles	—	—
11. Poliomyelitis and Polioencephalitis	—	—
12. Acute Infective Encephalitis	—	—
13. Cancer: buccal cav. and oesoph. (M); uterus (F)	2	10
14. Cancer: stomach and duodenum	15	10
15. Cancer: breast	—	13
16. Cancer: all other sites	42	31
17. Diabetes	3	2
18. Intra cranial vascular lesions	34	54
19. Heart Disease	103	119
20. Other diseases of the circulatory system	5	9
21. Bronchitis	32	10
22. Pneumonia	13	9
23. Other respiratory diseases	7	2
24. Ulcer of stomach or duodenum	5	4
25. Diarrhoea under 2 years	1	1
26. Appendicitis	—	1
27. Other digestive diseases	5	10
28. Nephritis	7	9
29. Puerperal and post abortive sepsis	—	—
30. Other maternal causes	—	1
31. Premature Birth	8	2
32. Congenital debility, Malformations, Birth injuries, etc.	4	6
33. Suicide	1	2
34. Road traffic accidents	3	3
35. Other violent causes	17	7
36. All other causes	27	43

SECTION 2

General Provision of Health Services in the Area

HOSPITALS.

SMALLPOX AND OTHER INFECTIOUS DISEASES

There is no Infectious Diseases Hospital in the district, but an arrangement is in force whereby cases are treated in the Liverpool Infectious Diseases Hospitals. Patients are received until the Hospitals are full, the available accommodation being sufficient for the needs of the district.

TUBERCULOSIS

Administered by the County Council.

MATERNITY CASES

There is no Maternity Hospital in the district, but the Liverpool Hospitals are available.

CHILDREN'S AND OTHERS

Waterloo and District General Hospital, also Bootle and Liverpool Hospitals.

Three Institutions in the district receive unmarried mothers, illegitimate infants or homeless children.

AMBULANCE FACILITIES

(a) For Infectious Cases—Liverpool Corporation Motor Ambulance,
(b) For non-infectious cases and accident cases—Motor Ambulances, Bootle General Hospital, Lancashire Public Assistance Committee, and Merseyside Hospitals (Penny in the £ subscribers) Ambulance, and the Borough of Crosby Ambulance Service.

CLINIC AND TREATMENT CENTRES

Provided by
CROSBY
CORPORATION

MATERNITY AND CHILD WELFARE CENTRES

1. Consultation and Treatment.

- (a). The Clinic, Prince Street, Waterloo.
Monday and Wednesday afternoons.
- (b). The Clinic, Alexandra Hall, Crosby.
Thursday afternoons.
- (c). Waterloo General Hospital.
Operative Clinic—Circumcision.
Alternate Thursday mornings.

Provided by
CROSBY
CORPORATION

2. Ante-Natal Clinic.
The Clinic, Prince Street, Waterloo.
Friday mornings.
3. Post-Natal Clinic.
The Clinic, Prince Street, Waterloo.
Monday afternoons.
4. Immunisation Clinic.
The Clinic, Prince Street, Waterloo.
Tuesday afternoons.

Provided by
LANCS. C. C.

SCHOOL MEDICAL SERVICES

1. The Clinic, Prince Street, Waterloo.
 - (a). Minor Ailments Clinic.
Every morning—treatment.
Friday mornings—Doctors' Consultation.
 - (b). Artificial Light Clinic.
Monday and Thursday mornings.
 - (c). Dental Clinic.
Every morning—Friday and Saturday excepted
Thursday morning—Gas cases.
Thursday afternoon—Dental Inspections.
 - (d). Ophthalmic Clinic.
Wednesday and Thursday mornings.
 - (e). Aural Clinic.
Monday and Thursday mornings.
 - (f). Tonsil and Adenoid Consultant Clinic.
Monday mornings—when necessary.
2. The Clinic, Alexandra Hall, Crosby.
 - (a). Dental Clinic.
Monday, Tuesday and Friday mornings.
Wednesday morning—Gas cases.
3. Waterloo and District General Hospital.
Tonsil and Adenoid Operative Clinic.
Monday mornings—when necessary.
4. The Clinic, Ince Avenue, Litherland.
Orthopaedic Clinic.
Thursday morning.

Jointly with the
LANCS. C. C.

LANCASHIRE
COUNTY COUNCIL

OTHER SERVICES.

1. Tuberculosis Treatment.
The Dispensary, "Ellesmere,"
Crosby Rd. North, Waterloo.
- ”
2. Venereal Diseases.
Treated at Liverpool and Bootle Hospitals.

Miscellaneous.

PROFESSIONAL NURSING IN THE HOME

There are two Nursing Associations in the Borough :

1. The Waterloo and Seaforth Nursing Association which employs two nurses.
2. The Great Crosby Nursing Association which also employs two nurses.

MIDWIVES

There are 9 Midwives practising in the district of whom 5 are salaried Midwives appointed to the Borough by the Lancashire County Council participating in the scheme of a National Service of State Midwives. All the Midwives are qualified, holding the certificate of the Central Midwives Board. This number does not include the midwives practising exclusively in the Nursing Homes and Resident Institutions in the Borough.

BACTERIOLOGICAL WORK

All specimens requiring bacteriological examination are submitted to Professor Robinson, City Bacteriologist, City Laboratories, Liverpool.

PUBLIC ANALYST—FOOD & DRUGS ACT, 1938

Professor Roberts, City Analyst, City Laboratories, Liverpool, who was appointed Public Analyst to the Borough of Crosby under the provisions of the Food and Drugs Act, 1938.

WATER SUPPLY

Water is supplied to the district by Liverpool Corporation. The chief source of supply is Lake Vyrnwy in Wales. The water is moderately soft in character and is excellent for all domestic purposes. All houses are supplied from the public mains.

The supply in the area over the past year has been satisfactory, both in quality and quantity.

Bacteriological examinations are made regularly by the Liverpool City Bacteriologist, these routine examinations take place in the City of Liverpool and at the Prescot Storage Reservoirs. The results of the chemical analyses have all been satisfactory.

The water is not liable to plumbo-solvent action.

The supplies both from Rivington and Lake Vyrnwy are treated by slow sand filtration and chlorination, and further chlorination is carried out at Prescot Storage Reservoirs.

SCAVENGING

This work is carried out by the Corporation workmen under the supervision of a Cleansing Superintendent directed by the Borough Engineer.

The main roads are cleansed daily, other roads at less frequent intervals—at least once weekly. The district is therefore kept in a clean and tidy state, the whole of the 76 miles of roads with their passages receiving regular attention.

SECTION 3.

Maternity and Child Welfare

VITAL STATISTICS FOR 1945 :—

Live Births	923	Live Birth Rate	17.1
Still Births	19	Still Birth Rate	20

Total Births 942

Infant Mortality Rate 42

Maternal Mortality Rate 1.06

BIRTHS AND STILL-BIRTHS REGISTERED IN THE BOROUGH
SINCE ITS FORMATION

Year	Population	Males	Females	Total	Legit- imate	Illegit- imate	Live Birth Rate per 1000 Pop. Crosby	Live Birth Rate Eng. & Wales	No. of Still- Births Crosby
1937	55,580	443	396	839	816	23	15.0	14.9	41
1938	55,780	417	382	799	770	29	14.3	15.1	32
1939	55,690	378	371	749	721	28	13.4	15.0	33
1940	54,280	423	407	830	791	39	15.2	14.6	7
1941	51,290	413	369	782	737	45	15.2	14.2	25
1942	53,010	492	436	928	876	52	17.5	15.8	39
1943	52,160	491	488	979	914	65	18.7	16.5	34
1944	52,800	553	508	1061	984	77	20.0	17.6	35
1945	53,670	473	450	923	849	74	17.1	16.1	19

PUBLIC HEALTH ACT, 1936

Under this Act, 830 live births and 19 still-births were notified during 1945 and 381 births were transferred, from hospitals and nursing homes outside this district, to the area. Of the Births notified and transferred 1256 were visited and 1756 re-visits were made to children under the age of one year. 362 births were transferred outside the district

2746 visits were made to children between the ages of one and five years and whenever necessary the parents were advised to obtain medical aid. 216 visits were made to children requiring special attention. Enquiries were made regarding the 19 still-births.

INFANT WELFARE CENTRES

The following table shows the attendances at these clinics and is a good indication of their popularity and usefulness. The clinic for Crosby residents is held at the Alexandra Hall, clinic on Thursdays, that for Waterloo residents is held at the Prince Street Clinic on Mondays, and that for Seaforth residents is also held at the Prince Street clinic on Wednesdays.

Table showing Attendances at Infant Welfare Clinics, 1945.

TABLE IV

Month	CROSBY		WATERLOO		SEAFORTH		Totals	
	Under 1 year	1-5 yrs.	Under 1 year	1-5 yrs.	Under 1 year	1-5 yrs.	Under 1 year	1-5 yrs.
January	336	71	285	112	215	36	836	219
February ..	395	115	320	95	196	72	911	282
March	497	128	262	98	245	95	1004	321
April	419	104	234	85	269	94	922	283
May	462	131	213	85	190	58	865	274
June.....	390	94	188	73	263	86	841	253
July	470	110	188	82	299	102	957	294
August	513	91	197	103	249	79	959	273
September ..	387	148	216	98	281	111	884	357
October	391	150	232	153	252	121	875	424
November	375	163	184	98	228	146	787	407
December	261	51	97	46	150	94	508	191
Totals	4896	1356	2616	1128	2837	1094	10349	3578

The Ladies of the Waterloo-with-Seaforth Health Society continue to do most excellent work in connection with Maternity and Child Welfare. During the year the Society has given very necessary assistance to a large number of families, including nursing and expectant mothers. Each case was personally investigated and the circumstances considered by the Ladies. Virol, Irradex and Maltoline have been supplied free or at reduced prices upon the instructions of the Society, the difference in cost being reimbursed to the Corporation out of the Society's funds. Baby garments are supplied at cost price.

ANTE-NATAL AND POST NATAL CLINICS

The County Midwives continue to attend the ante-natal clinic with their patients and close co-operation is maintained between the Midwives and the Health Visitors. Where necessary patients are referred to hospital for special advice, treatment or investigation. A number of patients have been referred for dental treatment and in special circumstances have been treated by the Clinic Dentist. For these patients dentures are supplied either free of charge or at less than cost price.

Attendances at Ante-Natal and Post-Natal Clinics.

TABLE V

Clinic	No. of Notified Births	No. of Expectant and recent Mothers who attended Clinic	Total Attendances to Clinic	% of number attended to number of notified births	
				1945	1944
Ante-Natal	830	328	1030	39.5	35.4
Post-Natal	830	76	183	9.1	13.8

Of the 404 cases who attended the ante-natal and post-natal clinics a large number were referred to the clinic by local practitioners and by the midwives practising in the district. A small number were recommended to attend after leaving hospitals and nursing homes.

In addition to the attendances at the clinic the health visitors made 209 first visits and 332 re-visits to the homes of these cases.

ARTIFICIAL SUNLIGHT CLINIC

Before treatment each child is examined by the Medical Officer who recommends suitable cases for treatment. In many cases the children are suffering from insufficient nourishment and are referred to the Ladies Health Society, through whose generous help much needed supplies of medical necessities (Malt, Halibut Oil, Vitamin Capsules, etc.) are supplied.

During 1945, 87 new cases received treatment and 844 re-visits of children for treatment were recorded.

AURAL CLINIC

Before treatment at the aural clinic all children are examined by the Medical Officer who then recommends suitable cases for treatment. During 1945, 39 new cases were treated and 226 re-visits of children for treatment were recorded.

PUBLIC HEALTH ACT, 1936—CHILD LIFE PROTECTION

Provision has been made for carrying out the duties under Sections 206 to 220 of this Act. The Health Visitors are all appointed Child Life Protection Visitors and during the year they made 84 visits to children in the care of foster parents.

The children were all well cared for.

There are now on the register 8 registered foster parents having the care of 12 children.

OPHTHALMIA NEONATORUM

TABLE VI

CASES			Unimpaired Vision	Deaths
Number Notified	Treated			
	At Home	In Hospital		
2	2	—	2	—

All cases notified as suffering from Ophthalmia Neonatorum were visited by the Health Visitors.

TABLE VII

INFANT MORTALITY, 1945.

Causes of Deaths of Infants under One Year of Age.

(From Local Registrar's Death Returns)

CAUSES	Under 1 Month	MONTHS											Totals
		1	2	3	4	5	6	7	8	9	10	11	
Acute Congestion of Lung								1					1
Prematurity	10												10
Broncho-Pneumonia	4			1	1							1	7
Congenital Heart Disease	3												3
Congenital Malformation of Heart		1										1	2
Infantile Convulsions	2		1										3
Hydrocephalus	1												1
Asphyxia	3		1										4
Streptococcal Septicaemia												1	1
Anencephalus	1												1
Pyelitis				1									1
Circulatory Failure						1							1
Intercranial Haemorrhage	2												2
Right sided Mastoiditis	1												1
Neonatal Gastroenteritis	1												1
TOTALS	28	1	2	2	1	1	—	1	—	—	—	3	39

TABLE VIII

**Numbers of Deaths by Years of Infants of One Year of Age
and under since Formation of the Borough**

YEAR	TOTAL		LEGITIMATE		ILLEGITIMATE	
	M	F	M	F	M	F
1937	26	21	24	20	2	1
1938	27	20	24	17	3	3
1939	28	25	25	18	3	7
1940	29	24	24	23	5	1
1941	40	26	34	23	6	3
1942	29	28	28	25	1	3
1943	31	19	25	16	6	3
1944	31	27	23	25	8	2
1945	22	17	19	14	3	3

SECTION 4.

Immunisation

DIPHTHERIA

The facilities for immunisation against Diphtheria which have been available to residents for several years were continued during 1945. Up to 1942, unless otherwise requested, immunisation in this Borough was always in respect of both Diphtheria and Scarlet Fever, but during 1943 a change of policy was made and immunisation against Diphtheria only is now offered except in very special cases.

The year was noteworthy, as a drive to increase the work was continued during the year. Propaganda work was very actively carried out by newspaper advertisements, exhibitions of posters, special visiting of homes by the Health Visitors and talks to parents at the Schools and Clinics. Immunisation was offered free, and carried out at all Elementary and Secondary Schools, Institutions and Orphanages in the Borough, and it is pleasing to note very gratifying results from the special efforts made during the past three years.

Every effort was made to follow the instructions of the Ministry of Health as outlined in the special circular issued on this subject.

The prophylactics used are supplied by Messrs. Burroughs, Wellcome & Co., and the dosage is as follows :—

3 Fortnightly doses of 1 c.c. T.A.F.

The number of persons immunised against Diphtheria in the last eight years is given below :—

TABLE IX

Year	Number immunised			
	Under 5	5-15	Over 15	Total
1938	103	274	24	401
1939	146	423	18	587
1940	253	108	2	363
1941	418	422	18	858
1942	708	1248	1	1957
1943	345	365	24	734
1944	387	185	—	572
1945	573	96	—	669

During the year 34 post-Schick tests were carried out.

TABLE X

1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
16	13	7	1	2	4	2	18	20	1	3	2
59	33	23	15	21	15	20	131	229	180	210	299
40	29	17	8	27	37	78	90	160	86	110	162
61	94	26	6	27	32	75	83	145	41	30	76
48	33	26	9	26	53	78	96	154	37	34	34
77	80	43	16	52	56	23	105	205	75	24	32
44	38	29	11	38	47	22	75	170	35	37	31
37	30	18	7	32	47	12	52	133	31	27	11
65	63	27	24	43	38	10	59	136	30	13	6
48	34	11	9	14	30	8	30	120	36	17	2
46	34	24	6	30	34	6	42	131	37	21	7
35	38	24	6	16	34	6	23	113	46	12	2
51	64	27	16	26	50	9	22	106	46	13	2
28	36	14	10	15	35	6	13	103	17	15	2
17	8	—	2	8	52	6	2	31	12	6	1
15	10	1	10	74	18	2	18	1	24	0	0
687	567	317	156	401	587	363	859	1957	734	572	669

Total children under 5 years of age at the end of 1945 who have been immunised—1,860.

5 years and under 15 years—4,351.

Grand Total : 1934-45—7,869.

SECTION 5.

During the year, 201 samples of food were purchased and submitted for analysis, of these 133 were formal samples, and 68 informal, full details being set out in the following table :—

TABLE XI

Article	Number Examined			No adulterated or otherwise giving rise irregularity to			No. of Vendors Warned	Informations laid
	Formal	Informal	Total	Formal	Informal	Total		
Almond flavouring	—	1	1	—	—	—	—	—
Aspirin Tablets	—	1	1	—	—	—	—	—
Baking Powder.....	—	4	4	—	—	—	—	—
Barlova	—	1	1	—	—	—	—	—
Bicarbonate of Soda	—	2	2	—	—	—	—	—
Butter	—	2	2	—	—	—	—	—
Bun Flour.....	—	1	1	—	—	—	—	—
Barley Crystal	—	1	1	—	—	—	—	—
Barley	—	1	1	—	—	—	—	—
Beef and Vegetable Extract	—	1	1	—	—	—	—	—
Black Puddings	—	3	3	—	—	—	—	—
Brawn	—	5	5	—	—	—	—	—
Balsam of Aniseed	—	1	1	—	—	—	—	—
Blackcurrant Jam.....	—	1	1	—	—	—	—	—
Bronchial Tablets	—	1	1	—	—	—	—	—
Bread.....	—	1	1	—	—	—	—	—
Chocolate Flav. Spread Powder.....	—	1	1	—	—	—	—	—
Chutney	—	1	1	—	—	—	—	—
Coffee Essence.....	—	1	1	—	—	—	—	—
Castor Oil.....	—	2	2	—	—	—	—	—
Cheese	—	2	2	—	—	—	—	—
Cake and Pudding Mixture	—	5	5	—	2	2	—	—
Cochineal Colouring	—	1	1	—	—	—	—	—
Concentrated Essence.....	—	1	1	—	—	—	—	—
Custard Flavouring.....	—	1	1	—	—	—	—	—
Cocoa	—	1	1	—	—	—	—	—
Cloves	—	1	1	—	—	—	—	—
Curry Powder	—	1	1	—	—	—	—	—
Cinnamon.....	—	2	2	—	—	—	—	—
Cough Syrup	—	1	1	—	—	—	—	—
Camden Tablets	—	1	1	—	—	—	—	—
Culinary Herbs	—	1	1	—	1	1	—	—
Chocolate Spread	—	1	1	—	—	—	—	—
Compound (Fat)	—	1	1	—	—	—	—	—
Distilled Glycerine	—	1	1	—	—	—	—	—
Egg Substitute Powder	—	1	1	—	—	—	—	—
Epsom Salts	—	1	1	—	—	—	—	—
Fever and Influenza Mixture.....	—	1	1	—	—	—	—	—
Gelatine	—	2	2	—	—	—	—	—
Gravy Salt	—	2	2	—	—	—	—	—
Ginger Wine Essence	—	1	1	—	—	—	—	—
Glycerine	—	1	1	—	—	—	—	—
Ginger	—	1	1	—	—	—	—	—
Health Salts	—	1	1	—	1	1	—	—
Carried Forward ..	—	64	64	—	4	4	—	—

TABLE XI—continued

Article	Number Examined			No. adulterated or otherwise giving rise to irregularity			No. of Vendors Warned	Informations laid
	Formal	Informal	Total	Formal	Informa	Total		
Brought Forward	—	64	64	—	4	4	—	—
Herbex	—	1	1	—	—	—	—	—
Iodine	—	1	1	—	—	—	—	—
Indian Curry Powder	—	1	1	—	—	—	—	—
Iodised Salt	—	1	1	—	—	—	—	—
Jam	—	1	1	—	—	—	—	—
Lemon Cheese	—	1	1	—	—	—	—	—
Lemexa	—	1	1	—	—	—	—	—
Lard	—	1	1	—	—	—	—	—
Lemco Beef Extract	—	1	1	—	—	—	—	—
Lime Flavour Compound	—	1	1	—	—	—	—	—
Liver Sausage	—	1	1	—	—	—	—	—
Liquid Mustard	—	1	1	—	—	—	—	—
Milk	67	3	70	6	—	6	5	1
Mustard	—	2	2	—	—	—	—	—
Meat Paste	—	3	3	—	2	2	2	—
Margarine	—	1	1	—	—	—	—	—
Meat Pies	—	2	2	—	—	—	—	—
Mixed Spice	—	1	1	—	—	—	—	—
Malted Milk Tablets	—	1	1	—	1	1	—	—
Marmalade	—	1	1	—	—	—	—	—
Mincemeat	—	1	1	—	—	—	—	—
Oatmeal	—	1	1	—	1	1	—	—
Orange Wine Essence	—	2	2	—	1	1	—	—
Oatflour	—	1	1	—	—	—	—	—
Pudding and Cake Mixture	—	1	1	—	—	—	—	—
Piccalilli	—	1	1	—	—	—	—	—
Polony	—	1	1	—	—	—	—	—
Potted Lobster Paste	—	1	1	—	—	—	—	—
Potted Salmon Paste	—	2	2	—	1	1	—	—
Pickles	—	1	1	—	—	—	—	—
Peppermint Flavouring	—	1	1	—	—	—	—	—
Raising Flour	—	1	1	—	—	—	—	—
Raspberry Flavour Essence	—	1	1	—	—	—	—	—
Rum Flavour	—	1	1	—	—	—	—	—
Sage	—	3	3	—	1	1	—	—
Sausages	1	6	7	1	2	3	2	—
Sauce	—	4	4	—	—	—	—	—
Sulphur Ointment	—	1	1	—	—	—	—	—
Stuffing	—	2	2	—	—	—	—	—
Sponge Cake	—	1	1	—	—	—	—	—
Semolina	—	1	1	—	—	—	—	—
Sugar	—	1	1	—	—	—	—	—
Soup	—	2	2	—	—	—	—	—
Tea	—	2	2	—	—	—	—	—
Syrup of Figs	—	1	1	—	—	—	—	—
Verox Cubes	—	1	1	—	—	—	—	—
Vinegar	—	1	1	—	—	—	—	—
Yeast Tablets	—	1	1	—	—	—	—	—
Totals for Year...	68	133	201	7	13	19	9	1

Of the 201 samples taken and submitted for analysis, 22 or 11% were reported as falling short of the required standard composition, as being definitely adulterated, or giving rise to irregularities. Details of the irregular samples are set out in the following table :—

TABLE XII

Serial No.	Article	Formal (F) or Informal (I)	Nature of Adulteration or Irregularity	Observations
11	Beef Sausage	I	Deficient in Low Fat Soya Product to the extent of 78%.	Enquiries made and Vendor warned.
10	Meat Paste	I	Deficient in meat (Meat 40%)	Vendor warned. Further sample to be taken.
5	Wine Essence	I	The product is a "Soft Drink" within the meaning of the Soft Drinks Orders 1943 and 1944, and should comply with the provisions of these orders.	Enquiry revealed that this "wine essence" was very old stock (1943). Manufacturers were communicated with and undertook to withdraw improperly labelled stock from sale, and replace with properly labelled bottles.
16	Milk	F	Contains 3.50% fat. Other solids 8.35% Freezing Point (Hortvet) —0.540 C.	No action taken.
62	Milk	F	Deprived of 18% of its milk fat.	Legal proceedings taken. Fined £2.2.0 and £1.0.0. costs.
78	Milk	F	Deprived of 10% of its milk fat.	Warned by the Borough Solicitor.
61	Milk	F	Contains 3.37% fat. Other solids 8.43% Freezing Point (Hortvet) —0.532 C.	No action taken.
119	Milk	F	Deprived of 5% of its milk fat.	Vendor warned.

Serial No.	Article	Formal (F) or Informal (I)	Nature of Adulteration or Irregularity	Observations
109	Orange Wine Essence	I	The product is a soft drink within the meaning of the Soft Drinks Orders 1943 and 1944, and should comply with the provisions of these orders.	Vendor warned.
127	Health Salts	I	The sample was deficient in Sodium Bicarbonate and Tartaric Acid but contained Sodium Tartrate, not in accordance with the formula on the label.	Whole stock of Health Salts withdrawn from sale and retailer advised re proper storage.
114	Malted Milk Tablets	I	The tablets had a very unpleasant and nauseous taste and a foetid odour, unfit for human consumption.	Whole stock of these tablets surrendered and destroyed.
154	Milk	F	Deprived of 6% of its milk fat.	Vendor warned.
180	Milk	F	Contained 6% added water.	Vendor warned.
182	Milk	F	Slightly watered 3.20% Fat; 8.32% other solids; freezing point (Hortvet) -0.498 C.	No action taken.
160	Golden Pudding Mixture	I	The sample did not comply with the labelling of Food (No. 2) Order S.R. & O. 1944. No. 1447.	No action taken owing to recent operation of orders.

Serial No.	Article	Formal (F) or Informal (I)	Nature of Adulteration or Irregularity	Observations
161	Sponge Mixture	I	Infested with acari and unfit for human consumption. The sample also did not comply with the Labelling of Food (No. 2) Order S.R. & O. 1944. No. 1447.	Infested stocks surrendered. No further action taken owing to recent operation of order.
170	Culinary Herbs	I	Contained 1% excess and siliceous matter.	Further sample to be taken.
193	Meat Paste.	I	Deficient in meat (Meat 20%)	Further sample to be taken.
140	Sage	I	Contained 5.8% excess sand and siliceous matter.	Further sample to be taken.
194	Salmon Paste	I	Deficient in Fish (Approx. 35%)	Further sample to be taken.
151	Sausage (with preserv.)	I	Deficient in Meat (Approx 43%)	Further sample to be taken.
169	Sausage (with preserv.)	F	Pork sausage deficient in meat (meat 45%)	Vendor warned—Further sample to be taken.

LANCASHIRE COUNTY COUNCIL (RIVERS BOARD AND GENERAL POWERS) ACT, 1938

Sections 115 and 116 of this Act, which came into operation on the 1st of April, 1939, have been adopted by the Corporation and were administered during 1945. All persons and premises classified in the provisions of these sections of the Act have been visited and the Inspectors reports show that a high standard of cleanliness is being maintained.

These Sections provide for:—

1. The Registration of Hawkers of Meat, Fish, Fruit and Vegetables, and of premises (if any) for the storage of such goods.
2. The Registration of premises used in connection with the sale or storage of ice cream.
3. The Registration of premises used in connection with the manufacture of sausage, potted, pressed, pickled or perserved meat, fish or other food intended for sale.

ICE CREAM

Owing to the restrictions imposed on the use of milk and cream by the Ministry of Food, the majority of shops in the Borough ceased the manufacture or sale of this commodity. There were, therefore, no samples taken under the Food and Drugs Act, or for bacteriological examination, during the year.

MEAT AND OTHER FOODS

There are no slaughterhouses in the Borough, practically all the meat which comes into this area is from the Liverpool Corporation Abattoir.

The inspection of Food premises is carried out by inspectors possessing the necessary qualifications. Shops, vehicles and premises, dealing with the preparation, storage and retailing of food are kept under constant supervision. In carrying out this work the following visits of inspection were made:—

Butchers Shops, 203 visits.

Other Food Shops and Premises, 107 visits.

The following articles of food, being unfit for human consumption, were voluntarily surrendered, and where necessary, destroyed. In certain cases, on the undertaking that it would not be used for edible purposes, the food was returned to the wholesaler, or the Ministry of Food, and utilised in other ways.

UN SOUND FOOD, 1945.

TABLE XIII

Batarol	138 lbs.	Soya Flour	92 lbs.
Biscuits	120 lbs.	Salad Dressing	68 tins
Chocolate and Sweets	32 lbs.	Sauce	77 bottles
Cake & Pudding Mixtures	30 lbs.	Rissole Powder	24 tins
Curry Powder	16 tins	Tea	8 lbs.
Dates	654 lbs.	Tongue	2 lbs.
Dried Fruit	183 lbs.	Sugar	27 lbs.
Dried Eggs	3 pkts.	Prunes	4 lbs.
Dried Milk	3 tins	Split Peas	10½ lbs.
Flour	140 lbs.	Tea Ration	20 tins
Fish	474 lbs.	Synthetic Cream	4 galls.
Kippers	56 lbs.	Vinegar	1 bottle
Lard	½ lb.	Tinned Meat	364 lbs.
Malted Milk Tablets	91 tubes	„ Fish	223 lbs.
Mustard	51 jars	„ Milk	129 lbs.
Beef Extract	10½ boxes	„ Vegetables	227 lbs.
Pickles	22 lbs.	„ Puddings	137 lbs.
Tinned Soup	38 lbs.	„ Preserves	52 lbs.
Plums	30 lbs.	„ Fruit	14 lbs.
Semolina	296 lbs.		

MILK SUPPLY 1945

At the end of 1945, there were 19 cowkeepers on the register. The number of dairies and milk shops on the register, other than those belonging to cowkeepers, is 27.

The visits of inspection made during the year numbered 491. 92 samples of milk taken in the Borough and submitted for examination. 3 or 3.9% were found to contain tubercle bacilli. All the infected samples were produced in the Borough. The County Medical Officer of Health was notified in each instance, and examination of the respective herds was subsequently carried out by the Veterinary Inspectors of the Ministry of Agriculture and Fisheries. The animals found to be infected were removed and slaughtered.

CLEANLINESS OF MILK SUPPLY

The standard of cleanliness adopted by the Corporation is B.Coli absent in 1/100 c.c., and a colony count of less than 200,000 per c.c.

92 samples of milk were submitted for bacteriological examination during the year, and of these 30, or 32.6% reached the required standard of cleanliness; 62 were found to have B.Coli present in 1/100 c.c. and 28 were found to have a colony count in excess of 200,000 per c.c.

All producers of samples failing to reach the required standard were visited and requested to exercise more care in the methods of production and in the handling and storage of milk supplies.

The producers concerned stressed the difficulties they experience in retaining their skilled labour and in also obtaining the required amount of labour. This factor would appear to contribute largely to their failure to maintain their usual high standard of cleanliness in milk production.

MILK (SPECIAL DESIGNATIONS) ORDER, 1936

Five Cowkeepers hold licences from the Lancashire County Council for the production of Accredited Milk.

The Corporation granted "Dealers Licences" to sell Tuberculin Tested Milk to 19 purveyors of milk. In addition Supplementary Licences to use the designations Tuberculin Tested and Pasteurised in relation to milk retailed in the Borough were granted to a purveyor of milk retailing in the Borough by deliveries from a large central dairy in a neighbouring area.

BAKEHOUSES

At the end of 1945 there were 34 bakehouses in the Borough, 3 of these being basement bakehouses. All bakehouses were visited and inspected and generally were found to be maintained in a clean and satisfactory condition, 87 visits of inspection being made during the year.

In 10 instances bakehouses were noticed to be in need of cleansing and limewashing, and on notifying the occupier the matter was promptly remedied in each case. In a further 15 instances various defects were noted and on intimation were subsequently rectified.

In accordance with the provisions of Section 54, of the Factories Act, 1937, Certificates of Suitability are in existence in respect of the three basement bakehouses.

SECTION 6

Prevalence of, and Control over Infectious Diseases

INFECTIOUS DISEASE NOTIFIED

During the year 437 cases of infectious diseases were notified, this figure including 5 cases of infection occurring amongst non-civilian personnel stationed or billeted in the borough. The figure gives a general attack rate of 8.2 per 1000 of the estimated population and compares favourably with the figure for 1944, 912 cases being notified in that year giving an attack rate of 17.6 per 1000 of the estimated population. Table XV is an analysis of the cases notified, removed to hospital, etc.

DIPHTHERIA

40 cases of Diphtheria were notified during 1945 as compared with 41 cases in 1944. Of the 40 cases notified, 30 were children under 15 years of age and 11 of whom had not been immunised.

1 of the cases notified during the year occurred amongst the non-civilians stationed in the area.

GENERAL

Enquiries were made into each case of infectious disease notified, 338 visits being made by the Sanitary Staff under this heading. Intimations were sent to the Education Department regarding all school children from houses where cases occurred, and when necessary, similar intimations were sent to the Public Libraries.

DISINFECTION

Disinfection was carried out at all houses where infectious disease occurred, entailing the disinfection of 374 rooms at 351 premises. In addition, 3241 articles of clothing, bedding, etc., and 536 library books were removed from such houses and treated at the disinfecting stations.

TABLE XV

Table of Infectious Diseases

Number of cases of infectious disease *notified* other than tuberculosis, the number of deaths from these diseases, the number of cases removed to hospital, and the deaths in hospital during the year 1945

Disease	Total Cases Notified												Total Deaths	Hospital	
	Total Cases at all Ages	Years												Total Cases removed	Deaths in Hospital of Persons from District
		Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65				65 and over
Scarlet Fever	143	2	10	11	13	55	32	12	5	2	1	...	...	84	...
Diphtheria	40	6	5	3	2	8	6	7	2	1	...	...	...	40	...
Pneumonia	26	1	1	3	...	3	2	1	2	3	7	3	21	...	...
Cerebro. Spinal Fever	4	...	...	...	...	2	1	...	...	...	1	...	2	1	...
Puerperal Pyrexia	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Ophthalmia Neon.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	17	...	...	1	...	...	...	...	1	2	10	3	...	3	...
Measles	147	4	18	17	23	44	14	...	6	1	...	...	...	3	...
German Measles	35	2	1	...	6	8	4	11	3	...	...	...	...	...	...
Whooping Cough	22	4	2	2	...	11	...	...	...	...	...	...	...	2	...
Malaria	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Dysentery	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...
Para-Typhoid	2	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Poliomyelitis, Acute.....	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Totals	442	13	32	37	45	132	59	32	21	9	19	6	23	136	...

TABLE XVI

Included in the figures on the previous page are the following cases of Infectious Disease occurring amongst non-civilians stationed or billeted in the district and notified to this department.

No. of Cases	Disease	Removed to Hospital
1	Diphtheria	1
1	Cerebro-Spinal Fever	1
2	Measles	2
1	Scarlet Fever	1

**Infectious Diseases (other than Tuberculosis) Notified
by Months during 1945**

TABLE XVII

MONTH	Scarlet Fever	Diphtheria	Pneumonia	Cerebo-Spinal F.	Puerperal Pyrexia	Ophthalmia Neon.	Erysipelas	Measles	German Measles	Whooping Cough	Malaria	Dysentery	Paratyphoid	Poliomyelitis	Totals
January	13	5	6	-	1	-	2	20	-	-	-	-	-	-	47
February	11	4	5	-	-	-	2	19	4	-	-	-	-	-	45
March	25	2	1	1	-	-	1	20	8	3	-	-	-	-	61
April	14	4	3	-	-	-	1	9	7	1	-	-	-	-	39
May	6	3	3	1	-	1	2	4	6	3	-	-	2	-	31
June	8	1	1	-	-	-	2	2	5	1	-	-	-	-	20
July	3	4	2	1	-	1	-	1	1	7	-	-	-	1	21
August	4	1	-	-	-	-	1	1	-	2	-	-	-	-	9
September.....	7	2	1	1	-	-	2	2	-	1	-	-	-	-	16
October	13	8	-	-	-	-	2	11	2	-	-	1	-	-	37
November.....	20	3	1	-	-	-	1	35	1	1	-	-	-	-	62
December.....	19	3	3	-	-	-	1	23	1	3	1	-	-	-	54
Totals	143	40	26	4	1	2	17	147	35	22	1	1	2	1	442

**Number of Deaths from Infectious Disease during 1945
and the Years since the Formation of the Borough**

TABLE XVIII

Disease	1937	1938	1939	1940	1941	1942	1943	1944	1945
Typhoid & Paratyphoid	—	—	—	—	2	—	1	—	—
Measles	2	7	—	—	—	1	—	1	—
Scarlet Fever	—	—	2	—	—	—	—	—	—
Whooping Cough	4	1	4	—	9	—	1	1	—
Diphtheria	5	7	11	7	8	5	1	1	—
Cerebro- Spinal Fever	2	—	1	1	2	3	2	1	2
Pneumonia All forms	34	30	25	23	49	23	38	30	22
Smallpox.....	—	—	—	—	—	—	—	—	—
Poliomyelitis	—	—	—	1	1	—	—	—	—
Polioencepha- litis	—	—	—	—	—	—	—	—	
Encephalitis Lethargica	1	1	2	1	—	1	2	—	—

**Number of Cases of Infectious Disease during 1945 and
the Years since the Formation of the Borough**

TABLE XIX

Disease	1937	1938	1939	1940	1941	1942	1943	1944	1945
Smallpox	—	—	—	—	—	—	—	—	—
Enteric Fever	7	8	2	5	34	—	1	—	—
Scarlet Fever	83	124	474	109	76	53	104	150	140
Measles	278	474	28	893	72	328	534	515	145
German Measles ...	14	20	10	540	51	9	25	89	35
Diphtheria ...	87	223	146	103	181	149	80	41	40
Puerperal Pyrexia	1	2	4	6	2	2	4	—	1
Ophthalmia Neonatorum	4	8	9	19	9	1	2	—	2
Erysipelas	20	23	27	32	15	14	16	15	17
Cerebro-Spinal Fever	—	—	1	17	17	4	6	9	4
Poliomyelitis	—	2	—	2	—	—	—	1	1
Typhoid Fever & Paratyphoid	—	—	—	—	—	—	5	3	2
Pneumonia	63	36	38	74	73	42	82	42	26
Whooping Cough	37	4	1	26	138	19	48	41	22
Trachoma	1	—	—	—	—	—	—	—	—
Relapsing Fever	1	—	1	—	—	—	—	—	—
Polio-encephalitis	—	—	—	1	—	—	—	—	—
Malaria	—	—	—	1	1	1	—	4	1
Dysentery	—	—	—	—	—	1	—	2	1
Included in the figures for the War Years 1939-1945 are these cases of Infectious Disease among non-civilians in the Borough.			—	61	19	17	16	21	5

BACTERIOLOGICAL WORK

The following specimens were submitted to Professor Robinson, City Bacteriologist, Liverpool, for examination:—

TABLE XIV

<i>Specimens submitted</i>	<i>Examination requested for</i>	<i>No. examined</i>	<i>No. positive</i>
Swabs	Diphtheria Bacilli	122	14
Swabs	Haemolytic Streptococci	13	12
Faeces	Enteric Group	1	—
Faeces	Dysentery	1	—
Faeces	Typhoid	1	—
Swab	Vincent's Angina	1	—

SECTION 7.

Tuberculosis

Under the Public Health (Tuberculosis) Regulations, 1930, 84 new cases were notified in 1945 as suffering from this disease, 68 pulmonary cases and 16 non-pulmonary cases.

In the same period 39 cases were removed from the register after notification of death.

Details of all new cases and deaths are given in Table XX.

Comparative figures for 1944, at 104 cases notified and 44 cases removed from the Register after death, indicate a decrease in the incidence of this disease during 1945.

In accordance with the provisions of the Public Health (Tuberculosis) Regulations, 1940, particulars of all cases falling within the specified age groups were sent to the County Medical Officer of Health for transmission to the Ministry of Labour and National Service.

The activities of the Lancashire County Council Dispensing Organisation, which is responsible for the treatment of tuberculosis within the Borough, were well maintained during the year. Good co-operation exists between this Department and the local Dispensary.

TABLE XX

Age Periods	NEW CASES				DEATHS			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Years								
0-1 .....	....	....	....	....	....	....	....	....
1-5	1	....	3	4	....	....	1	....
5-10 .....	....	....	2	2	....	....	....	1
10-15 .....	....	....	1	2	....	....	....	....
15-20	1	5	....	....	1	1	....	....
20-25	4	8	....	....	2	1	....	....
25-35	7	8	1	....	3	3	....	....
35-45	10	3	1	....	6	2	....	....
45-55	5	1	....	....	4	1	....	....
55-65	10	3	....	....	7	....	....	....
65 and over	2	....	....	....	4	1	1	....
Totals	40	28	8	8	27	9	2	1
	68		16		36		3	

Incidence of Tuberculosis in Crosby since the
Formation of the Borough

TABLE XXI

Years	New Cases		Deaths from Tuberculosis	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
1937	66	19	35	6
1938	58	20	35	4
1939	53	23	26	5
1940	71	12	41	5
1941	77	18	47	12
1942	70	15	40	4
1943	73	20	40	2
1944	84	20	36	8
1945	68	16	36	3

SECTION 8

Shops Acts, 1912-1938

The routine inspection of shops under the above Acts was continued during 1945. A total of 581 inspections was made during the year and 62 defects and contraventions were discovered and referred to the persons responsible. These matters received prompt attention and were dealt with informally. At the end of the year there were 872 occupied shops on the register. There are several empty shops in the area.

The general closing hours fixed by sub-section 1 of Section 1 of the Shops (Hours of Closing) Act, 1928, were amended by Defence Regulation, 1939, No. 60 A.B. An Order made under this Regulation by the Corporation of Crosby substituted 7.30 p.m. on the late day and 6.0 p.m. on any other day of the week for the period December 2nd, 1942, to 28th February, 1943. As in the previous year, however, the majority of the shops closed at an earlier hour.

SECTION 9

Factories Act, 1937

All factories in the district have been inspected, 248 visits having been made.

HOME WORKERS

Occupiers of factories from which work of certain kinds is given out are compelled to keep a list of outworkers employed by them, and to send a copy of the list to the Local Authority in February and August of each year.

Two such lists were received during these months, referring to the same person.

The home-worker was visited on each occasion and the premises found to be satisfactory.

SECTION 10

Housing and Environmental Hygiene

NUMBER OF NEW HOUSES ERECTED DURING THE YEAR

(a). Total	Nil
1. By the Local Authority.....	Nil
2. By other Local Authorities	Nil
3. By other bodies or persons	50 Temporary houses by Min- istry of Works
(b). With State Assistance under the Housing Acts:—	
1. By the Local Authority.....	Nil
2. By other bodies or persons	Nil

INSPECTION OF THE DISTRICT

During the year 3649 premises were inspected in the district.

As a result of these inspections it was necessary to serve 2292 preliminary notices on the owners or occupiers. In the majority of cases these notices received prompt attention. In several instances it was necessary to report the existence of nuisances to the Health Committee and Statutory Notices were ordered to be served. It was found necessary to serve 415 Statutory Notices. The various premises were visited during the progress of the work with the object of ensuring that the nuisances enumerated in the notices were satisfactorily abated, the number of such re-inspections being 6733. During the year 6315 nuisances were discovered and 5684 abated.

On several occasions it was necessary to report default of compliance to abate nuisances to the Borough Solicitor, and by his action Court proceedings were avoided.

Intimations were sent to the Borough Engineer's Department on 36 occasions regarding the following matters noted during inspections of the district.

Dangerous Buildings	2
Housing defects due to war damage	3
Choked or damaged sewers or drains	6
Removal of refuse and debris	9
Defects to public conveniences and Corporation properties	4
Defective A.R.P. Shelters	2
Defective paving and rat infestations	10

In all cases the intimations received prompt attention.

On five occasions the smoke test was applied to old drains.

INSPECTION OF DWELLING-HOUSES DURING THE YEAR

1. (a). Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	3,649
(b). Number of inspections made for the purpose	6,733
2. (a). Number of dwelling-houses (included under (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	19
(b). Number of inspections made for the purpose	86
3. Number of houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil
4. Number of dwelling-houses (exclusive of (3) above) found not to be in all respects reasonably fit for human habitation	2,292

REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.....	2,072
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ACTION UNDER STATUTORY POWERS

Proceedings under Public Health Acts:—

(1). Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	415
(2). Number of dwelling-houses in which defects were remedied after service of formal notices:—	
(a). By owners	342
(b). By Local Authority in default of owners	Nil

Proceedings under Sections 11 and 13 of the Housing Act, 1936:—

(1). Number of dwelling-houses in respect of which Demolition Orders were made	Nil
(2). Number of dwelling-houses demolished in pursuance of Demolition Orders	Nil

OVERCROWDING

Owing to the cessation of building and the destruction of many houses during the war, overcrowding in the Borough has undoubtedly increased, though the extent of the increase is difficult to estimate. Any improvement due to the return to their old homes of persons “bombed-out” from other towns has been more than offset by demobilisation, a larger number of marriages, and the increased birth-rate in recent years.

OFFENSIVE TRADES AND FISH FRIERS

There is now only one establishment in the Borough engaged in an offensive trade. The premises, used by a fat melter, were visited periodically.

There were 27 fish frying establishments on the register at the end of 1945. 60 visits of inspection were made during the year and in all cases the premises were found to be maintained in a clean and satisfactory condition. Minor matters discovered on inspection were all remedied informally.

HOUSE REFUSE

This work is carried out under the direction of the Borough Engineer and is supervised by the Cleansing Superintendent.

For the removal of household refuse the Pagefield System is in operation, except for Hightown and Little Crosby area; the removal of refuse is by means of a covered motor vehicle. In Little Crosby Village where the closet and refuse accommodation is mainly of the privy midden type, the middens are emptied by the Corporation workmen, and local farmers remove the refuse on to the land for manure.

Ashbins and pail closets are emptied weekly, and privy middens at intervals of approximately two months.

Shop refuse is removed twice weekly by means of a covered motor vehicle, and the charge for collection is 3d. per bin after one free bin.

The Corporation dispose of the refuse on to tips, by controlled tipping.

During the year, 12,500 tons of refuse were collected by the Pagefield system, and 3,500 tons by other motor vehicles. The total amount of refuse removed being 16,000 tons. In addition to this the Corporation removed, during the year, 343 tons of salvage.

STREAMS AND WATERCOURSES

The streams and ditches are cleansed and bottomed by their respective owners, and receive frequent inspection. Rimrose Brook, which is situated on the eastern boundary, is polluted mainly from an effluent drain from a large piggery situate outside the Borough. This effluent has a very offensive smell, contains far too much suspended matter to discharge into any watercourse, and gives rise to a nuisance during the summer season when there is little dilution taking place.

Representations have been made from time to time to the Authority in whose district the piggery is situated.

SMOKE ABATEMENT

There are six factory chimneys in the Borough, 4 laundries, 1 brick-works, and 1 large mail order stores.

In accordance with the instructions laid down by the Ministry of Home Security in Circular No. 139/1940 no action was taken during 1945 with regard to smoke nuisances. Seven smoke observations were made during the year.

There are no Bye-Laws in force under the Public Health (Smoke Abatement) Act, 1926, or the Public Health Act, 1936.

CINEMAS

There are seven cinemas in the Borough. All were inspected and found to be well conducted.

ERADICATION OF BED BUGS

The methods employed for the freeing of infested houses from bed bugs are:—the removal of infested bedding and clothing etc., to the disinfecting station, and the spraying of the rooms thoroughly with an insecticide.

All complaints received regarding infestation were investigated, and the number of houses found to be infested were:—

Council Houses, Nil.

Other Houses, 170.

121 visits of inspection were recorded under this heading during the year. 83 other premises were disinfected during the year on account of infestation by fleas, moths, cockroaches, etc.

TENTS, VANS AND SHEDS

There are now no temporary dwellings in the Borough.

RATS AND MICE DESTRUCTION ACT, 1919

Complaints were received regarding rat infestation and the ensuing investigations entailed 184 visits. These complaints were mainly from lands and premises in or near the agricultural portion of the Borough. In some instances, informal notices were served upon the owners or occupiers of infested premises requiring them to take such measures as directed to abate, and further prevent such infestation. In all cases, the requirements of the notices were complied with.

The methods adopted for the destruction of these rodents are dogs and ferrets, traps, poisonous bait, and rat varnish smeared on cardboard.

The work of treating the sewers for rats has been again carried out during the year. 481 sewer manholes were baited with pre-bait, and in 86 cases pre-bait takes were recorded. These manholes were then baited with poison ; in 24 cases a good take was found, in 46 cases there was a small take, and in 16 instances no poisoned bait was taken. The number of " Takes " of poisoned bait is growing very much less, and it is true to say that the infestation of sewers by rats has been very materially reduced by this work.

PUBLIC ELEMENTARY SCHOOLS

At the end of 1945 there were 21 Public Elementary Schools in the Borough. The schools were inspected periodically during the year and any defects discovered were reported to the Education Department. All the children who are excluded from school on account of infectious disease in their homes are notified to the Education Department, and the Head Teachers are also informed.

SUMMARY OF WORK OF SANITARY INSPECTORS, 1945

Public Health and Housing Acts

Number of dwelling houses inspected under Public Health Act....	3630
" " re-visited under Public Health Act....	6666
" " inspected under Housing Act	19
" " re-visited under Housing Act	67
" " inspected re overcrowding	15
" " inspected re vermin.....	121
" complaints received and investigated.....	1312

General Sanitation

Number of visits re water supply	65
" " re Drainage	510
" " to stables and piggeries.....	32
" " to offensive trades	2
" " to Houses let in lodgings	2
" " to Factories and Workshops	248
" " to Bakehouses	87
" " to Public Conveniences	31
" " to Theatres and Cinemas	7
" " re Refuse Collection and Deposit	88
" " re Rats and Mice	184
" " to Schools	18
" " to Petroleum Stores	62
" " to Watercourses and Ditches	45
" " re Infectious Diseases and Disinfection	338
" " re Smoke observations	7
" " to Common Yards and Passages	112

Meat and Food Inspection

Number of visits to Butchers' Shops	203
" " to Fishmongers and Poulterers	47
" " to Grocers and General Food Shops	262
" " to Fried Fish Shops	60
" " to Greengrocers and Fruiterers	89
" " to Restaurants	36
" " to Cowsheds	179
" " to Dairies	312
" " to Misc Food Premises	107
" Food and Drugs Samples taken	201
" Milk Samples taken	92

Miscellaneous

Number of visits to Shops under Shops Act	581
Interviews with Owners, Contractors, etc.	505
Miscellaneous visits and inspections	1046

Disinfection

Number of rooms disinfected after infectious diseases	374
Number of articles of clothing, bedding, etc., disinfected after infectious diseases	3241
Number of library books disinfected after infectious diseases.....	536
Number of articles of bedding, etc., disinfected for Civil Defence, A.R.P. and Billeting	592

Number of verminous rooms disinfected	513
Number of rooms disinfected for cockroaches	82
Notices served and complied with	
Number of preliminary notices served	2292
Number of preliminary notices complied with	2092
Number of statutory notices served	415
Number of statutory notices complied with	342
Number of Nuisances abated and Defects remedied	
(a) Dwelling houses	
Roofs repaired or renewed	474
External walls repointed	123
Wall and ceiling plaster repaired	387
Floors repaired or renewed	158
Windows and sashcords repaired or renewed	520
Cooking ranges and fireplaces repaired or renewed	147
Coppers provided or repaired	15
Sinks provided or repaired	39
Water supplies repaired or provided	491
Rainwater pipes and eaves gutters repaired or renewed	275
Food stores provided or repaired	12
Stairs, doors and woodwork repaired or renewed	340
Chimneys and stacks repaired	54
Yards and passages paved or repaired	73
Dangerous walls rebuilt	67
Dampness abated	104
Rooms cleansed and redecorated	45
Sink waste pipes renewed or repaired	113
Additional lighting or ventilation provided	7
Miscellaneous items	30
(b) Drainage	
Drains cleared of obstruction	291
Drainage repaired, reconstructed, etc.	126
(c) Water Closets	
New water closets provided	12
W.C. compartments repaired and cleansed	179
W.C. pedestals and cisterns repaired or renewed	531
(d) Dustbins	
New dustbins provided	684
Insanitary receptacles abolished	1
(e) Miscellaneous	
Offensive accumulations removed	15
Verminous and dirty premises cleansed	144
Other items	18
Workshops and bakehouses	25
Cowsheds and dairies—defects and contraventions remedied	45
Food premises—defects and contraventions remedied	82
Shop Acts—defects and contraventions remedied	62
Keeping of animals—nuisances abated	6

F. APPLEYARD, M.R.S.I.,
Chief Sanitary Inspector.

January, 1946.

